

FIG. 1

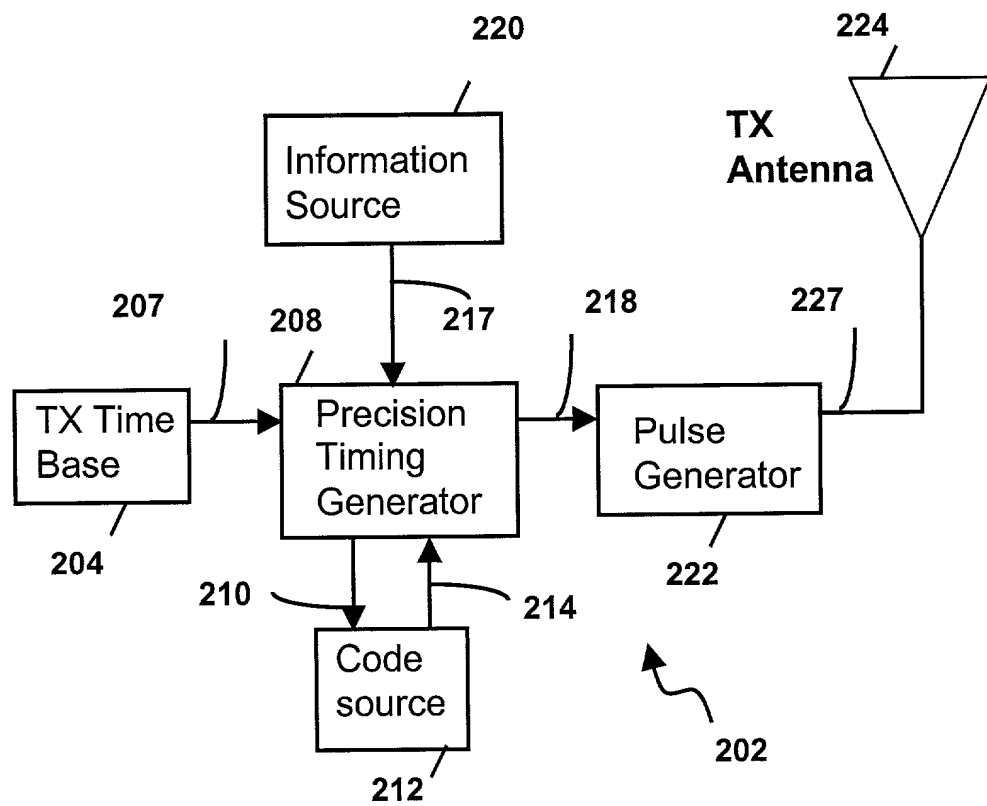


FIG. 2

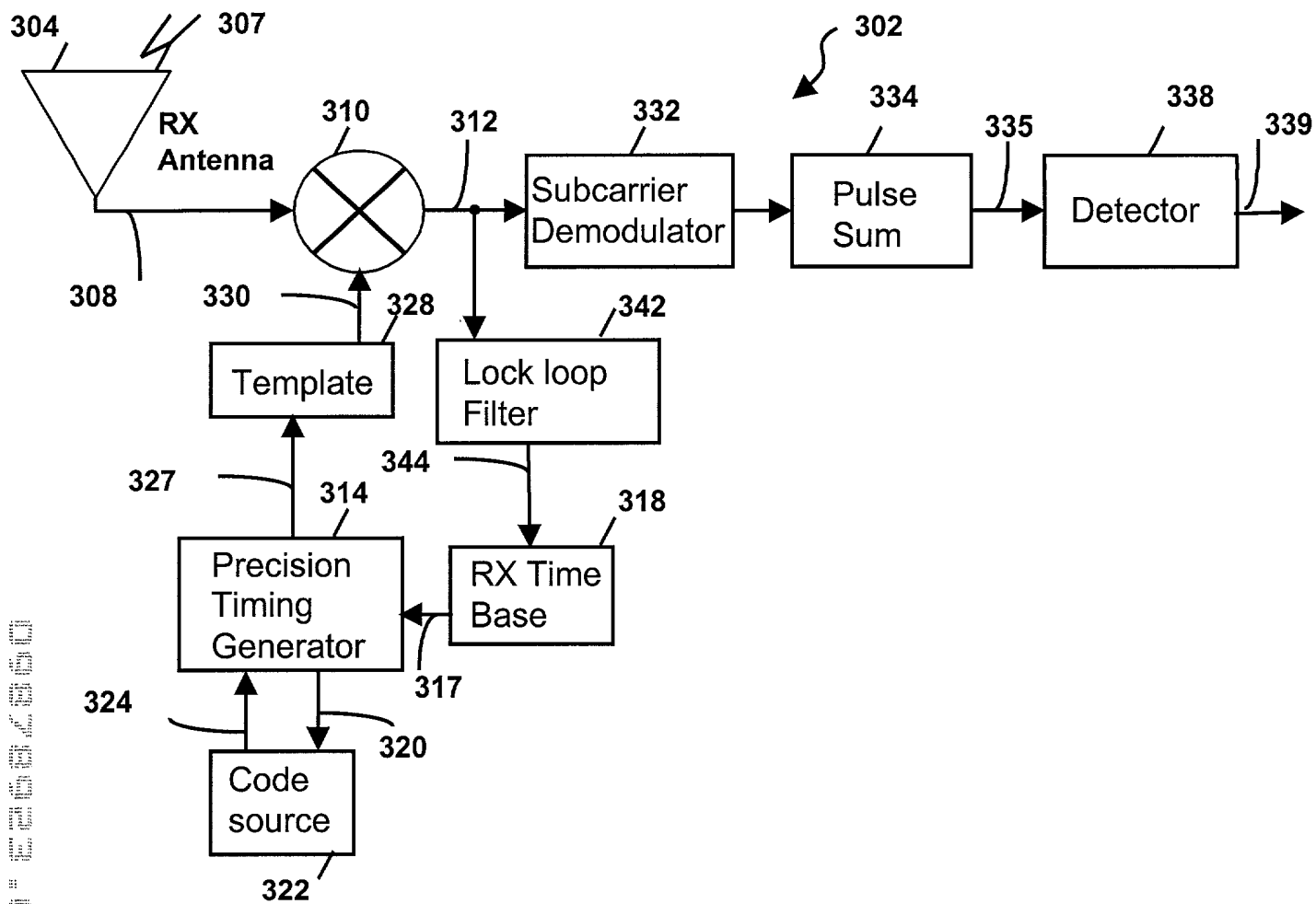


FIG. 3

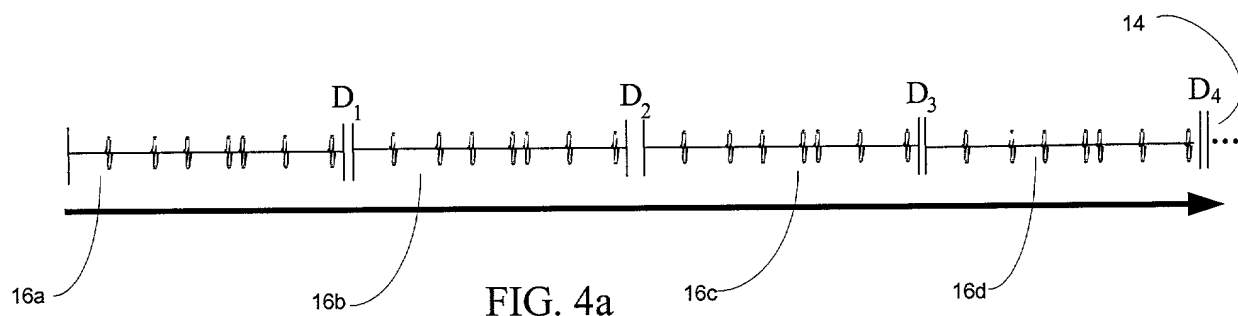
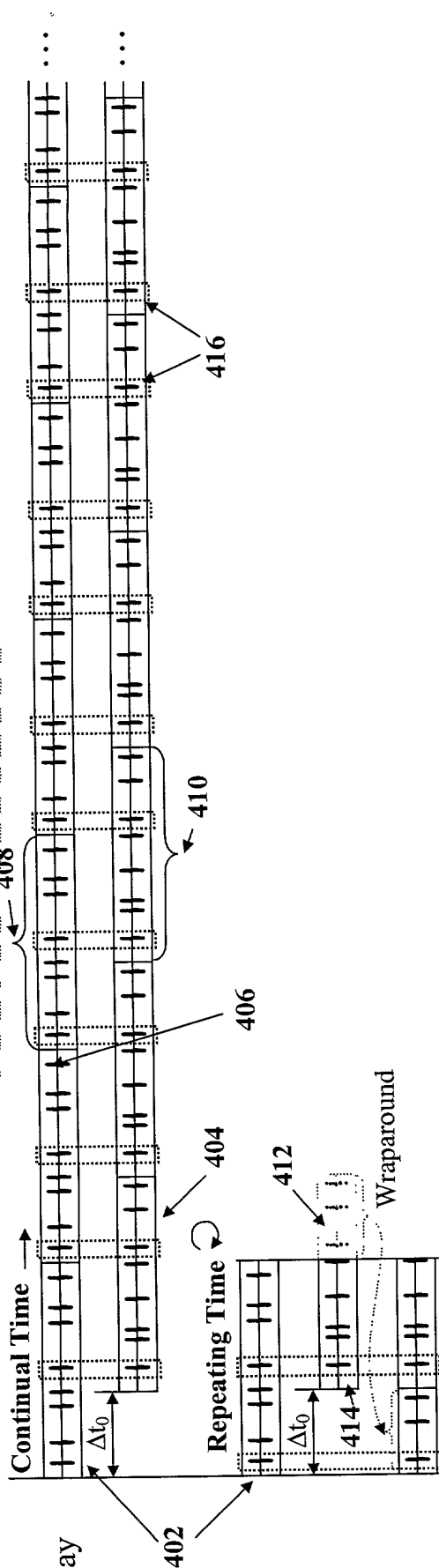


FIG. 4a

Example 1:
Without Delay
Code



Example 2:
With Delay
Code

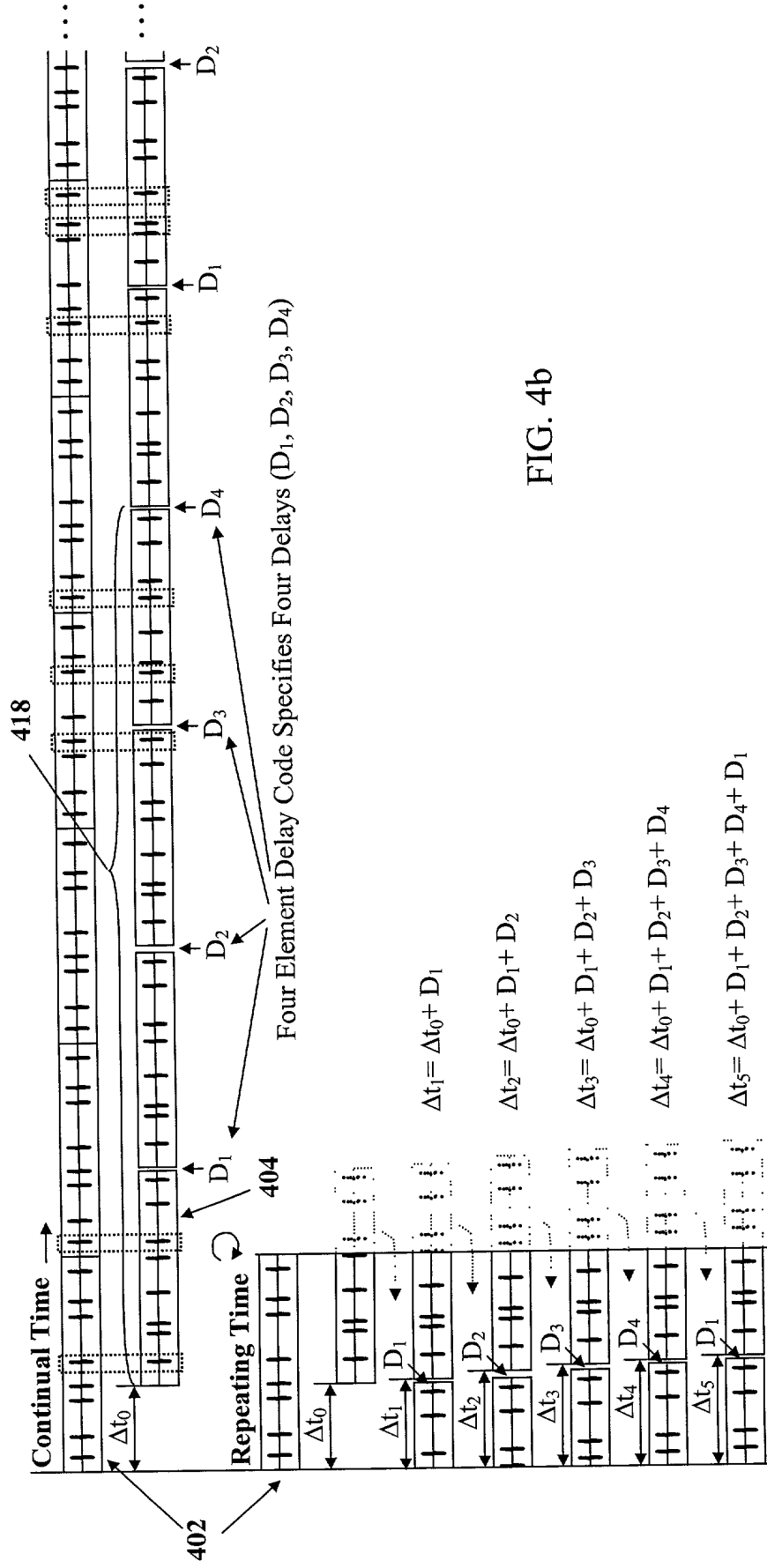
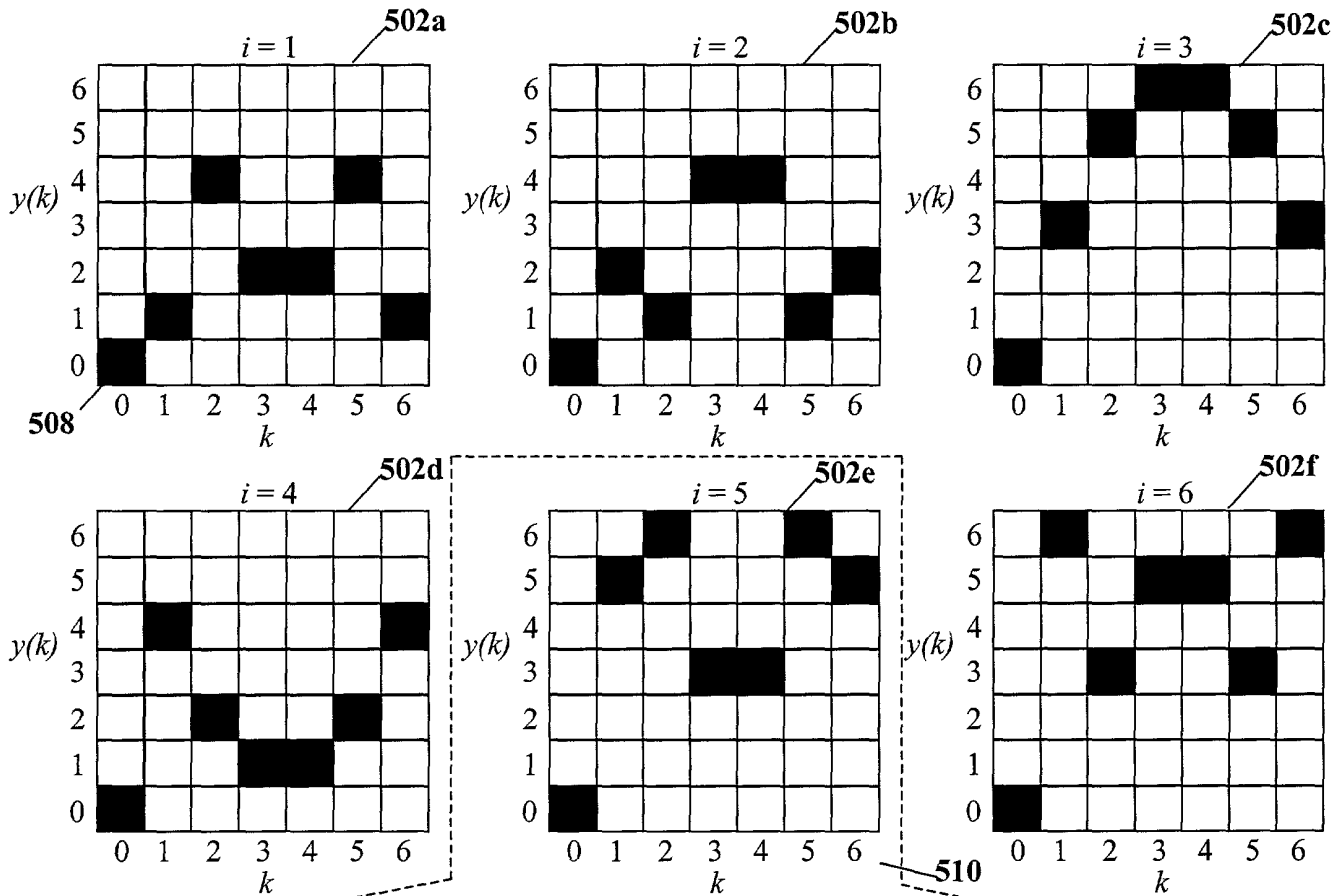


FIG. 4b

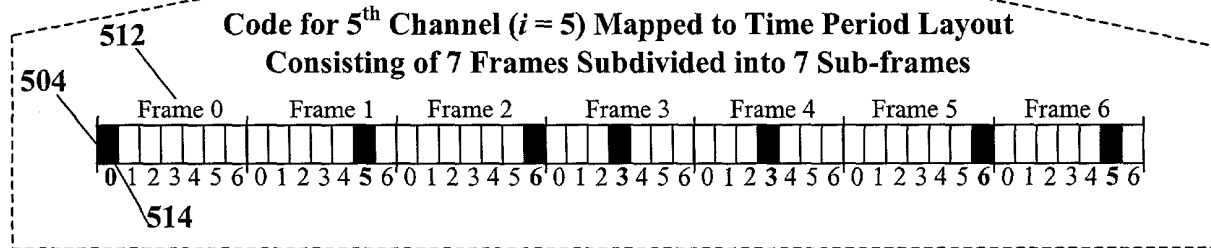
Quadratic Congruential Codes

$$y(k) = i k^2 \bmod 7$$

506



Code for 5th Channel ($i=5$) Mapped to Time Period Layout
Consisting of 7 Frames Subdivided into 7 Sub-frames



Time Period Layout Repeats Such that Preceding Time Period, Current
Time Period, and Following Time Period, Etc. are Contiguous

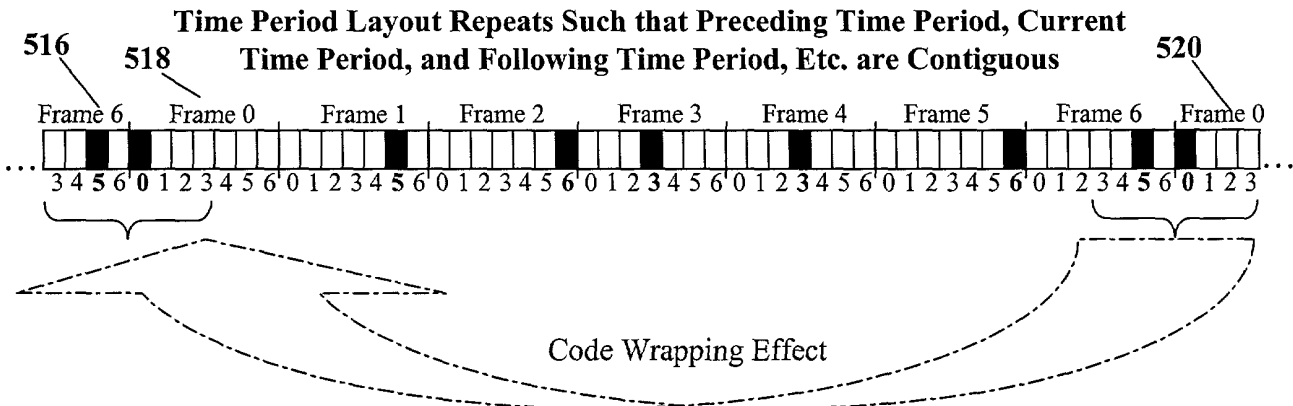


FIG. 5

Cross-correlation of 5th and 6th Codes (Time Offsets in 1 Subframe Increments)

FIG. 6

604

602

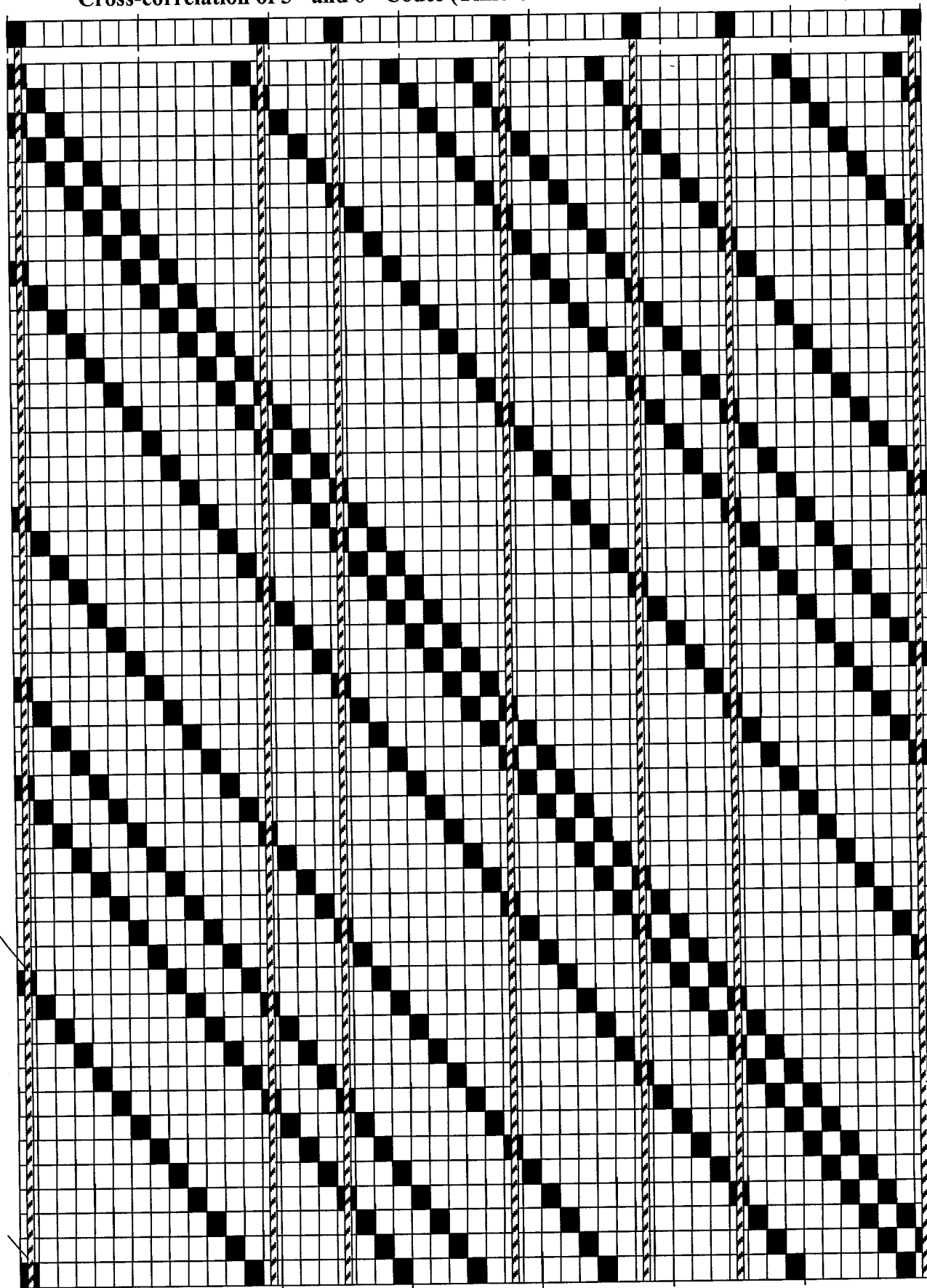


FIG. 6

Cross-correlation of 5th and 6th Codes

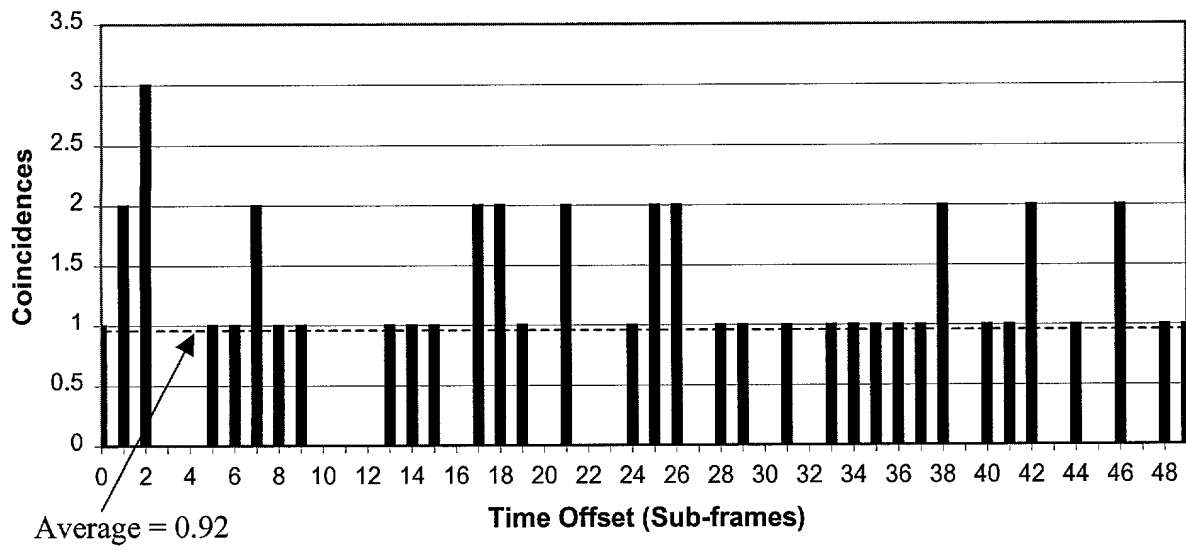
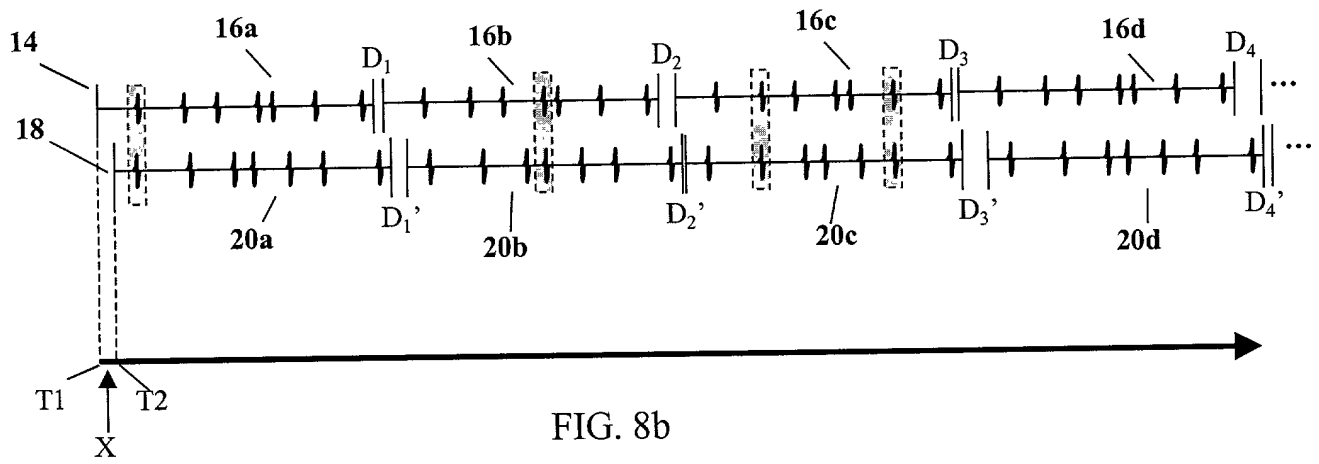
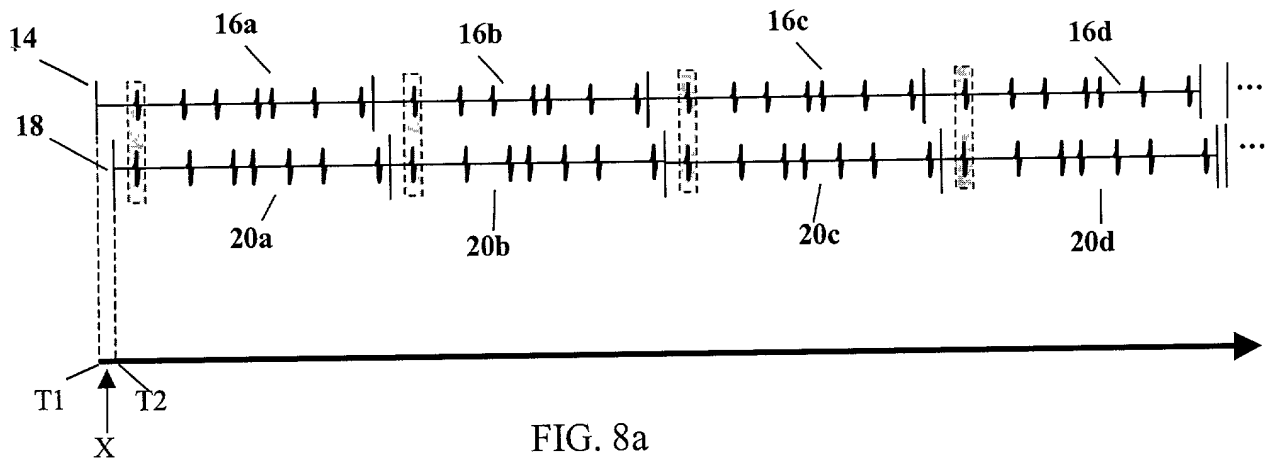


FIG. 7



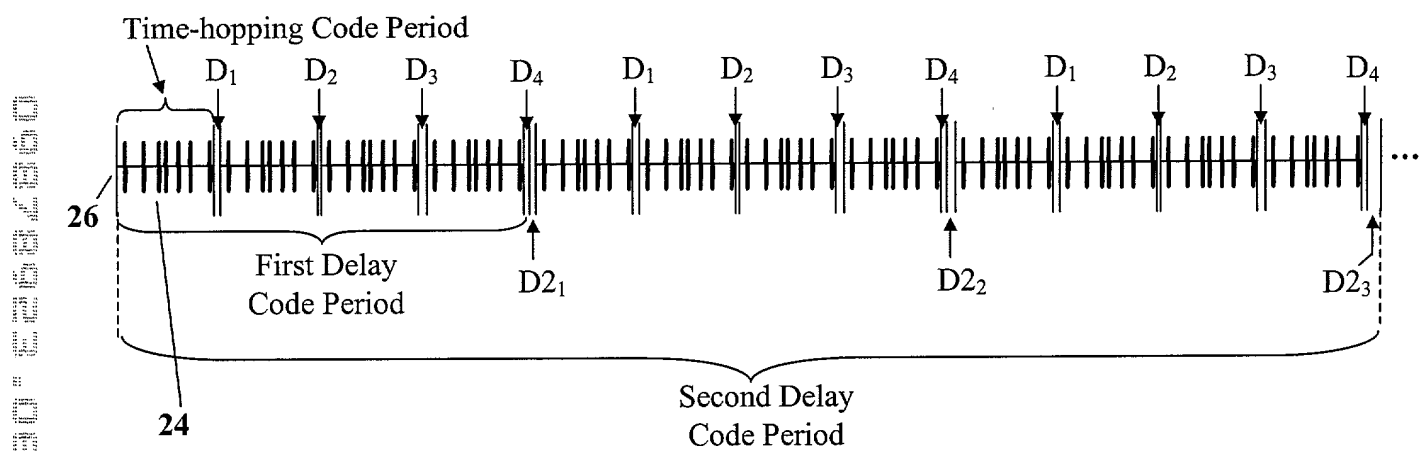


FIG. 9

FIG. 10

